**Chapter
Review****Plate Tectonics****Part A. Vocabulary Review**

Directions: Write the term that matches each description below in the spaces provided. Then unscramble the letters in the boxes to reveal the mystery phrase.

1. _____
2. _____ _____
3. _____
4. _____
5. _____ _____
6. _____ _____
7. _____
8. _____ _____
9. _____
10. _____ _____
11. _____ _____
12. _____
13. _____
14. _____
15. _____

1. plasticlike layer of Earth's surface below the lithosphere
2. cycle of heating, rising, cooling, and sinking
3. theory that states that Earth's crust and upper mantle are broken into sections, which move around on the asthenosphere
4. area where an oceanic plate goes down under another plate
5. plate boundary that occurs when two plates slide past one another
6. place where two plates move together
7. rigid layer of Earth's surface made up of the crust and part of the upper mantle
8. plant fossil found in Antarctica, India, South America, Africa and Australia

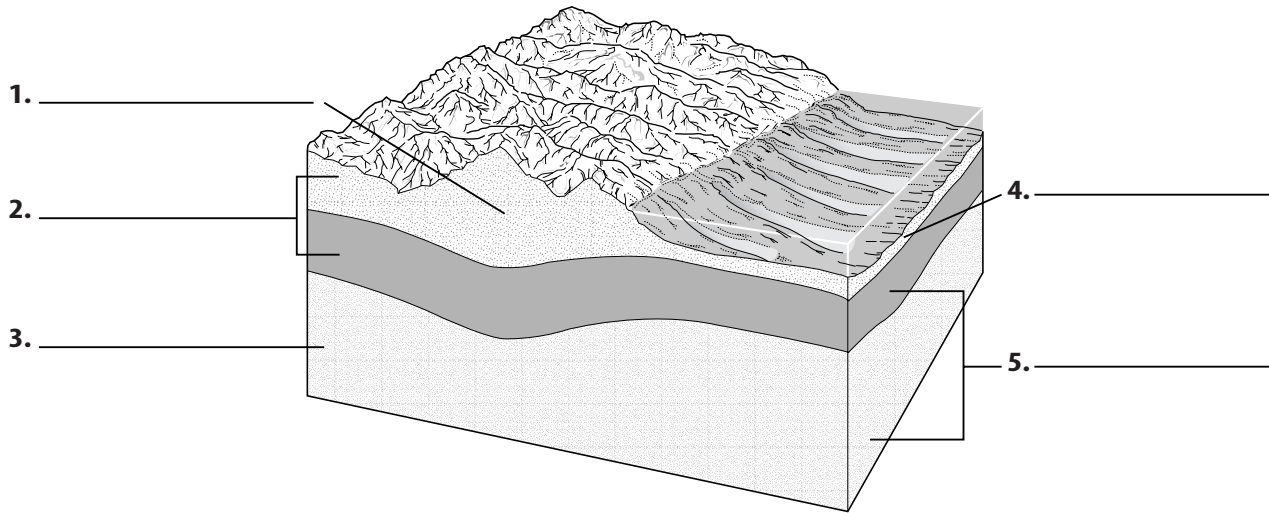
9. one large landmass hypothesized to have broken apart about 200 million years ago into continents
10. hypothesis that the continents have moved slowly to their current locations
11. boundary between two plates that are moving apart
12. pieces of Earth's crust and upper mantle
13. largest layer of Earth's surface
14. outermost layer of Earth's surface
15. fossil of a freshwater reptile found in South America and Africa
16. Mystery phrase:

Chapter Review (continued)

Part B. Concept Review

Directions: Study the following diagram. Then label the parts of Earth's surface using the terms to the right.

upper mantle
ocean crust
lithosphere
continental crust
asthenosphere



Directions: Answer the following questions using complete sentences.

6. Compare and contrast divergent, convergent, and transform plate boundaries.

7. Describe how convection currents might be the cause of plate tectonics.

8. Explain how age evidence supports the theory of seafloor spreading.
